

IN THE CLAIMS

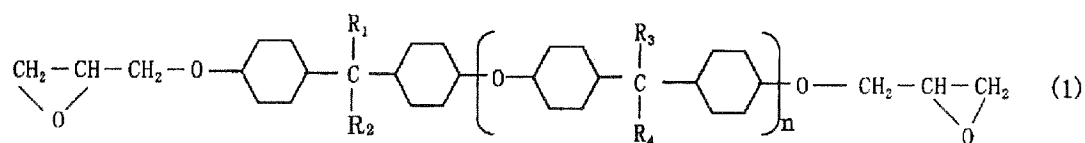
1 (Previously Presented). A neutron shielding material composition comprising:

- a hydrogenated bisphenol resin;
- a refractory material having higher density than that of the hydrogenated bisphenol resin;
- a density-increasing agent having higher density than that of the refractory material;
- a curing agent component;
- a boron compound,

wherein said neutron shielding material composition maintains the density of a base resin comprising said curing agent component and the refractory material; and

wherein density of the neutron shielding material composition is from 1.62 g/cm³ to 1.72 g/cm³.

2 (Currently Amended). A neutron shielding material composition comprising a hydrogenated bisphenol epoxy represented by the following structural formula (1):



wherein each of R₁ to R₄ is independently selected from the group consisting of CH₃, H, F, Cl and Br, and n is from 0 to 2;

a refractory material having higher density than that of the hydrogenated bisphenol resin;

a curing agent component having at least one ring structure and a plurality of amino groups;

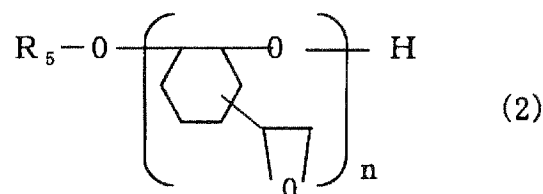
a density-increasing agent having higher density than that of the refractory material; and

a boron compound,

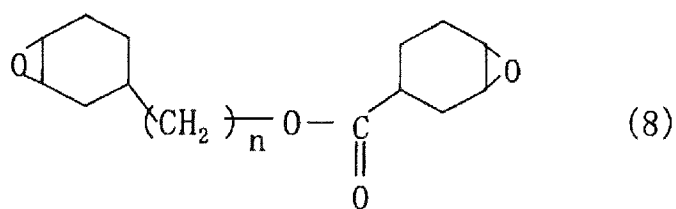
wherein said neutron shielding material composition maintains the density of a base resin comprising said curing agent component and the refractory material[.]; and

wherein density of the neutron shielding material composition is from 1.62 g/cm³ to 1.72 g/cm³.

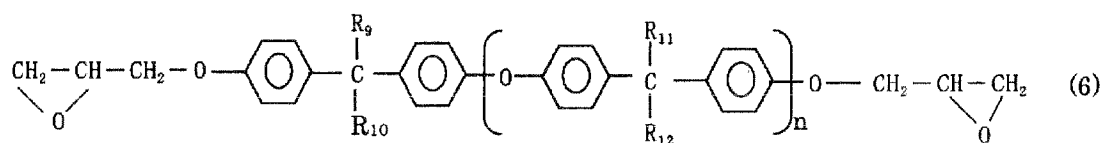
3 (Currently Amended). The neutron shielding material composition according to claim 1, further comprising one or more compounds selected from the group consisting of a ~~compound~~ compounds represented by the structural formulas (2), (3), (6) and (9):



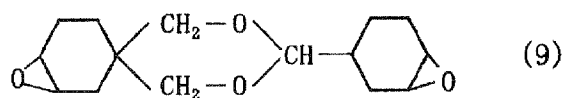
wherein R₅ is a C1-10 alkyl group or H, and n is from 1 to 24;



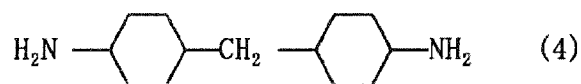
wherein n is from 1 to 8;



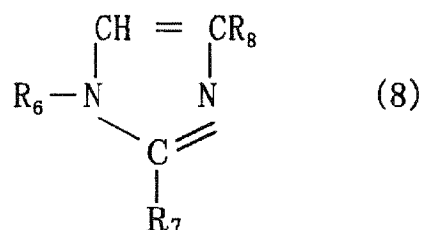
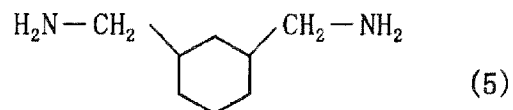
wherein each of R₉ to R₁₂ is independently selected from the group consisting of CH₃, H, F, Cl and Br, and n is from 0 to 2; and



4 (Previously Presented). The neutron shielding material composition according to claim 1, comprising, as the curing agent component, a compound represented by the structural formula (4):



5 (Previously Presented). The neutron shielding material composition according to claim 1, wherein the curing agent component comprises one or more of compounds represented by the structural formulas (5) and (8):



wherein R₆, R₇ and R₈ each is independently a C1-18 alkyl group or H.

6 (Previously Presented). The neutron shielding material composition according to claim 1, further comprising a filler.

Claim 7 (Canceled).

8 (Previously Presented). The neutron shielding material composition according to claim 1, wherein the refractory material comprises at least one of magnesium hydroxide and aluminum hydroxide.

9 (Previously Presented). The neutron shielding material composition according to claim 1 or claim 2, wherein the density-increasing agent is a metal powder having a density of 5.0 to 22.5 g/cm³, a metal oxide powder having a density of 5.0 to 22.5 g/cm³, or a combination thereof.

10 (Currently Amended). A neutron shielding material obtained ~~obtainable~~ from the neutron shielding material composition according to claim 1 or claim 2.

11 (Currently Amended). A neutron shielding container obtained ~~obtainable~~ from the neutron shielding material composition according to claim 1 or claim 2.

Claim 12 (Canceled).

13 (Previously Presented). The neutron shielding material composition according to claim 8, wherein said magnesium hydroxide is obtained from sea water magnesium.